

PROJECT: Midnite Mine Remediation

REPORT NO: 2019-012

OWNER: Newmont/Dawn Mining

OPERATOR: Newmont/Dawn Mining

Summary of Work Activities or Events for this reporting period:

This weekly report provides a summary of Midnite Mine Site (Site) remediation action (RA) construction activities, quality assurance (CQA), quality control (CQC) and engineering activities for the period June 14 – June 20, 2019. The Site activities discussed in this weekly report include, but are not limited to: Site Health, Safety, and Security; Community Liaison, Project Meetings, Regulatory Oversight, Site Visitors; Site Mobilization; RA Activities; Project Documentation; and Site Inspections.

The project SharePoint site includes the Project documentation discussed in this report. Access to the project SharePoint site is available at the following link: <https://amcollab.mwhtools.com/sites/midnitemine>

SITE HEALTH, SAFETY, AND SECURITY

MIDNITE MINE HEALTH & SAFETY SUMMARY: Reporting Period June 14 – June 20, 2019

FIRST AID INJURY	0	PROPERTY DAMAGE	0
MEDICALLY TREATED INJURY	0	NEAR MISS INCIDENT	0
RESTRICTED WORK INJURY	0	RADIATION PROTECTION PLAN (RPP) – ISSUES REPORTED	0
LOST TIME INJURY	0		

Comments: No incidents or injuries occurred during the reporting period. Industrial Hygiene program review conducted. HASP / RPP review completed and distributed project wide.

COMMUNITY LIAISON

No issues or concerns were reported or received by Newmont from the Spokane Tribe of Indians Community Liaison Officer. Newmont Community Liaison and Western States continued to follow-up with the Spokane Tribal member concerning the offsite incident of June 7, 2019 in which a small piece of concrete from a Western States truck fell off the truck and hit the windshield of the Spokane Tribal member's vehicle, cracking the windshield. The windshield was replaced resolving the situation. Mobilization notifications were provided to the Tribe during the week.

PROJECT MEETINGS, REGULATORY OVERSIGHT, AND SITE VISITORS

Weekly Progress Meeting:

The Weekly Construction Progress meeting was held at 1000 hours on Wednesday, June 19, 2019 at the on-site conference room and via conference call. Representatives from the following stakeholders attended the meeting in person or via telephone:

- EPA
- Spokane Tribe of Indians
- Jacobs
- Dawn Mining Company (DMC)/Newmont Goldcorp
- Stantec
- Ajax

Meeting Action Items:

- None

EPA Plan/Document Approvals:

- None

Regulatory Site Visit(s):

- Steve Demus, Jacobs, representing EPA was on site June 19.

REMEDIAL WORK ACTIVITIES

Construction:

During the week of June 14 – June 20, 2019, the following activities were conducted:

- Completed excavating, hauling and placing high activity/high reactivity material from Ore Stockpile 3 (Stockpile 3) and Lime Protore Stockpile 8 (Stockpile 8) in Pit 4. These high activity/high reactivity materials were placed in the unclassified waste zone in the interior of the Pit 4 backfill.
- Excavating, hauling and placing low activity/low reactivity material from South Waste Rock Pile (SWRP) South Pond cut in Pit 4. Material from SWRP was placed on the north, east, and west sides of Pit 4 to create the 20' rind buffer area, at the south end of the Pit 4 backfill to form the 20' radon buffer on the outer waste surface, and in the unclassified waste zone in the interior of the pit.
- The above materials were excavated with either excavator or loader equipment and transported and plug dumped with haul trucks. The plug dumps were leveled with a dozer into lifts not exceeding 10' thick. Table 1 presents the 2019 Pit 4 mass haul materials volume.

Table 1 – 2019 Pit 4 mass haul volume estimates

Reporting Period	Truck Loads	Estimated Volume ¹ yd ³
June 14 – June 20, 2019	3,506	98,168
2019 Cumulative	36,364	1,018,192

1 - Truck load assumed to be 28 yd³

- Continued work on the Infiltration Collectors (IC) on the west side of Pit 4 on the main channel and the finger drains extending to the west up the hillside.
- Began removing visible mine waste from the east Pit 4 Tie-In Area, including some material from the Pit 4 Overburden Pile. Trees from the area were hauled to the timber stockpile on the Temporary Impacted Soils Stockpile (TISS). Soils were piled along the east edge of the tie-in area in preparation for haulage to Pit 4.
- Pit 4 tension crack was measured on June 17. The horizontal distance between movement pins remains at 53.75 inches, indicating no measurable movement.

Stormwater Pollution Prevention Plan (SWPPP)

- The Utility Crew worked on SWPPP maintenance items along the West Access Road and New Access Road

Spill Prevention, Control, and Countermeasure Activities (SPCC)

- None.

Equipment Mobilized/Demobilized and Material Delivered

The following equipment was mobilized to the Site during this reporting period.

- None.

The following equipment was demobilized from the Site during this reporting period.

- None.

All project owned non-road diesel equipment on Site is US-EPA Tier 4 compliant. On-site rental equipment and subsequent deliveries of rental equipment may be less than Tier 4 and will be assessed at the time of delivery.

Materials:

The following material was delivered to the Site during this reporting period.

- None

Dust Control and Monitoring

Six dust monitors were operated during construction activities at the locations and for the time intervals listed in Table 2. The Total Suspended Particulate (TSP) action level of 260 micrograms/cubic meter was not exceeded during the reporting period.

Bison Engineering was on site 6/17/2019 and performed monthly calibrations for all 8 dust monitors (spares included). Quarterly audits were performed for all monitors and the meteorological station.

Lignosulfonate was applied to the East Access Road on June 15.

Table 2 - TSP Dust Monitoring Locations during reporting period June 14 – June 20, 2019

Monitor ID	Location Description	Start Date	Status						
			Fri	Sat	Sun	Mon	Tue	Wed	Thu
ES-1 (stationary)	Midnite Mine Top of Pit 4	04/01/19	D/N			D/N	D/N	D/N	D/N
ES-2 (stationary)	Midnite Mine Southeast Boundary	04/01/19	D/N			D/N	D/N	D/N	D/N
ES-3 (stationary)	Midnite Mine West Boundary	04/01/19	D/N			D/N	D/N	D/N	D/N
ES-4 (roving)	Top of Stockpile 3	04/30/19	D/N			D/N	D/N	D/N	D/N
ES-5 (roving)	Spare								
ES-6 (roving)	East Side of Pit 4 next to portable light plant.	04/01/19	D/N			D/N	D/N	D/N	D/N
ES-7 (roving)	Southeast corner of Area 5	04/02/19	D/N			D/N	D/N	D/N	D/N
ES-8 (roving)	Spare								
D=Day Shift (6:00 am to 4:30 pm) N=Night Shift (4:00 pm to 2:30 am) E=Environmental conditions (Fog, smoke, pollen, heavy rain, etc.) – No Operation * Equipment malfunction (Battery/Power Supply or Other)									

PROJECT DOCUMENTATION

Project Submittals, Engineering Change Notices (ECNs), Requests for Information (RFIs), Non-Compliance Notifications (NCNs), CQA-CQC Field Acceptance Forms and Other Items received, changed or noted during this time-period are shown in the table below:

Table 3 – CQA Documentation

Project Submittals			
Submittal No.	Title	Submittal Date	CQA Acceptance Date
02272-07.00	South Pond Geomembrane (GSE)	6/11/2019	TBD
02275-03.00	South Pond Geonet (GSE)	6/14/2019	TBD
Project ECNs			
ECN No.	Title	EPA Submittal Date	EPA Response Date
None			
Project RFIs			
RFI No.	Title	CQC Submittal Date	CQA Response Date
2019-11	Settlement Monitoring Point – South and West Ponds	6/19/2019	TBD
Project NCNs			
NCN No.	Title	CQA Issue Date	CQC Response Date
None to Date			
CQC-CQA Field Acceptance Forms			
CQC-CQA Acceptance No.	Title		CQC-CQA Issue Date
2019-12	Pit 4 – West IC Main Collector (Sta 16+40 to 18+40) Subgrade Acceptance		6/17/2019
2019-13	Pit 4 – West IC 3 rd Lateral/Finger Drain (55 ft.) Subgrade Acceptance		6/18/2019
2019-14	Stockpile 3, 4, 5 and 8 Excavation for the South Pond Bench Area		6/18/2019
Other Items			
Item	Title		Comments
None			

Copies of the updated CQA Logs are provided on the project SharePoint site under the 2019 CQA Folder.

SITE INSPECTIONS

Details regarding the four-phase CQA observation/inspection process for each definable work feature is summarized above within each work-feature section and are further detailed in the daily CQC/CQA reports that are available on the project SharePoint site.

Preparatory Inspections / Meetings

- None during this time-period.

Initial Phase Inspections

- None during this time-period.

Follow-up Phase and Ongoing Inspections

Daily observations/inspections by CQA during Pit 4 backfill and other construction activities for the following site-specific tasks:

- Pit 4 Backfill
 - Mine waste excavated from the South Pond Cut/SWRP (low reactivity/low activity material) was placed along the edges of the pit to construct the 20-foot buffer zone (rind) or was placed as general fill in the south bench area.

- West-Side Infiltration Collection System
 - Third lateral/finger drain - first 55-foot section.
CQA accepted or observed the following:
 - Subgrade (CQC-CQA Acceptance 2019-13)
 - GCL placement.
 - Drain gravel placement.
 - Main collector (Sta 16+40 to 18+40)
CQA accepted or observed the following:
 - Subgrade (CQC-CQA Acceptance 2019-12)
 - GCL placement.
 - Drain gravel placement.
- Wood Chipping Activities
 - None – Grinder down for repairs.
- Pit 4 Overburden Pile
 - Skimmed off a portion of the pile in an effort to expose the underlying native soils.
- Construction Debris
 - Debris placed within the Demolition Debris Zone in Pit 4.

Completion Inspections

- None

THREE WEEK LOOKAHEAD SCHEDULE

Three Week Lookahead Schedule

A copy of the Three Week Lookahead Schedule is provided as Attachment A.

Report completed and submitted by:

David Lee

Project Construction Director

Attachments

- Attachment A – Midnite Mine 3 Week Lookahead Schedule

Photos of pertinent items are provided below.



Figure 1 – Pit 4 Overview, Looking South



Figure 2 – Load-Out at the South Pond Cut/SWRP, Looking South



Figure 3 –349 Excavator preparing subgrade for the IC, Utility Crew prepping subgrade for approval.

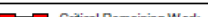


Figure 4 –349 Excavator digging channel for the third IC finger drain.

ATTACHMENT A

MIDNITE MINE THREE WEEK LOOKAHEAD SCHEDULE

Midnite Mine 2019 Production Schedule				Midnite Mine Remedial Action 3 Week Look Ahead Schedule				Data Date: 20-Jun-19 Print Date: 21-Jun-19						
Activity ID	Activity Name	% Complete	Remaining Duration	Start	Midnite Work Resp.	June 2019		June 2019		June 2019		July 2019		
						16	23	30	07	14	21			
Midnite Mine 2019 Production Schedule				95	01-Apr-19 A									
Project Operations				95	01-Apr-19 A									
WTP & South Pond Excavation to Pit 4				32	06-May-19 A									
South Pond				32	06-May-19 A									
SP3,4&SoPond-30	Excavate and Haul South Pond to Pit 4	73%	32	06-May-19 A	NMC									
Pit 4 Operations				95	16-Apr-19 A									
DR10	Install Pit 4 Underdrain Dewatering Risers (LOE)	68%	95	16-Apr-19 A	NMC									
DR20	Install Pit 4 Waste Rock Dewatering Risers (LOE)	66%	95	16-Apr-19 A	NMC									
IC10	Install Pit 4 Infiltration Collectors (LOE)	40%	95	22-Apr-19 A	NMC									
SWRP (South Waste Rock Pile) to Pit 4				29	01-Apr-19 A									
SWRP North				29	01-Apr-19 A									
SWRP-N-10	Excavate and Haul SWRP North to Pit 4 (Part 1)	14%	29	01-Apr-19 A	NMC									
SWRP Ramp to CSZ+ WTP				20	02-Jul-19									
SWRP-CSZ+WTP-10	Excavate and Haul SWRP Ramp to CSZ+WTP to Pit 4	0%	20	02-Jul-19	NMC									
Timber Processing Areas				21	04-Jun-19 A									
TISS - Timber Processing				16	04-Jun-19 A									
TISSTP-10	Chipping of Trees and Slash in TISS	15%	16	04-Jun-19 A	NMC									
CSZ - Timber Processing				5	15-Jul-19									
CSZTP-10	Chipping of Trees and Slash in CSZ	0%	5	15-Jul-19	NMC									
CSWPP				9	17-Jun-19 A									
CSWPP10	West Access Road CSWPP Maintenance	30%	9	17-Jun-19 A	NMC									
CSWPP20	New Access Road CSWPP Maintenance	30%	9	17-Jun-19 A	NMC									
General Tasks				0	08-Jul-19									
G10	Fence Inspection June 2019	0%	0	08-Jul-19	NMC									

◆ Current Milestone
 Actual Work
 Remaining Work
 Critical Remaining Work
 Remaining Level of Effort
 Actual Level of Effort